

**CLAIMS**

1. A method for bleaching or whitening of a dairy product comprising incorporating lipoxygenase (LOX) into the dairy product.

5 1. A method according to claim 1, wherein LOX is incorporated before, during or after the production of the dairy product.

2. A method according to claim 1 or 2, wherein from 10 to 10000 units of LOX is added per gram of the dairy product.

10 4. A method according to any one of the preceding claims, wherein the dairy product contains at least 10% w/w on dry solid basis of components of milk.

5. A method according to any one of the preceding claims, wherein the dairy product is milk, cheese, butter oil, cream or whey products.

6. Use of a LOX to bleach a dairy product.

15 7. A use according to claim 6, wherein from 10 to 10000 units of LOX is used per gram of dairy product.

8. A use according to claim 6 or 7, wherein the dairy product contains at least 10% w/w on dry solid basis of components of milk.

9. A use according to any one of claims 6-8, wherein the dairy product is 20 milk, cheese, butter oil, cream or whey products.

10. A dairy product which is bleached by LOX or bleached by a method according to any one of claims 1 to 5.

11. A dairy product comprising a LOX.